JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY

SCHOOL OF EDUCATION

UNIVERSITY EXAMINATIONS FOR THE DEGREE IN BACHELOR OF EDUCATION ECDE

3RD YEAR 1ST SEMESTER ACADEMIC YEAR 2016/2017

KENDU LEARNING CENTRE

COURSE CODE: EEC 3316

COURSE TITLE: MATHEMATICS CURRICULUM, INSTRUCTION AND ASSESSMENT

EXAM VANUE: **STREAM BED (ECD)**

DATE: **EXAM SESSION:**

TIME:

INSTRUCTIONS:

1) Answer question ONE (COMPULSORY) and ANY other TWO questions

2) Candidates are advised NOT to write on the question paper.

3) Candidates MUST hand in their booklets to the invigilator while in the examination room

QUESTION ONE

a) Define the following terms; (6marks)

  i. Curriculum
  ii. Mathematics
  iii. Assessment

b) State the objectives of teaching and learning mathematics curriculum and assessment in pre - school. (5marks)

c) Describe the purpose of assessment in mathematics curriculum and assessment (6marks)

d) Describe the four domains of curriculum (8marks)

e) Highlight components of a scheme of work in mathematics at preschool level. (5marks)

QUESTION TWO

Discuss how mathematics can be incorporated in activity areas learnt in preschool. (20 marks)

QUESTION THREE

a) Describe the types of instructional materials used in teaching mathematics in preschool
(10 marks)
b) Describe the importance of planning for mathematics in preschool (10 marks)

QUESTION FOUR

Discuss Piaget's and Brunner's theories and their implications in teaching and learning mathematics in preschool (20 marks).

QUESTION FIVE

a) Discuss mathematic concepts suitable for a preschool child (10 marks)
b) From the concepts above, describe suitable activities for each (10 marks)